

9. Install the front hub/brake drum onto the steering knuckle.
10. Install the axle nut and tighten it to 78 N·m (58 ft.-lb.).

***WARNING***

*Always install a new cotter pin. If necessary, tighten the axle nut to align it with the cotter pin hole in the axle. Do not loosen the axle nut to align it with the hole.*

11. Install a new cotter pin through the nut groove and axle hole, and then spread the ends to lock it in place (**Figure 18**).

**FRONT HUB (FOUR-WHEEL DRIVE)**

Refer to **Figure 14**.

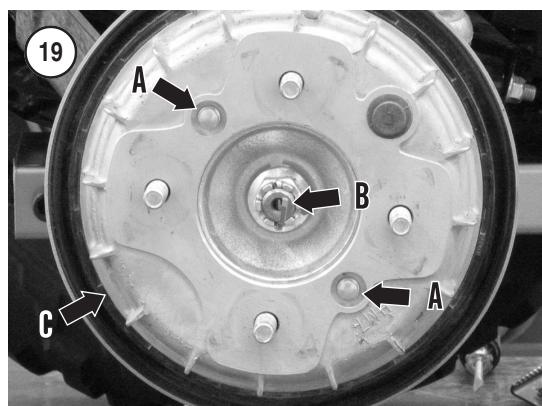
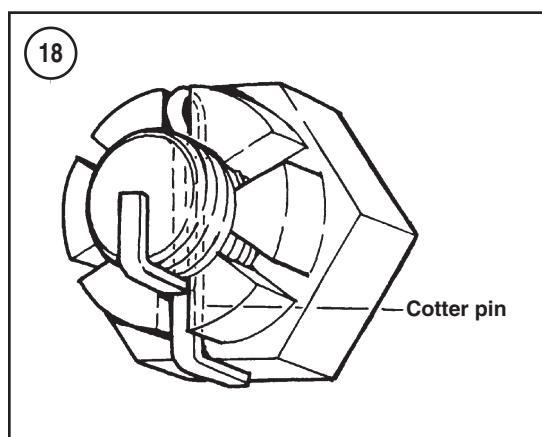
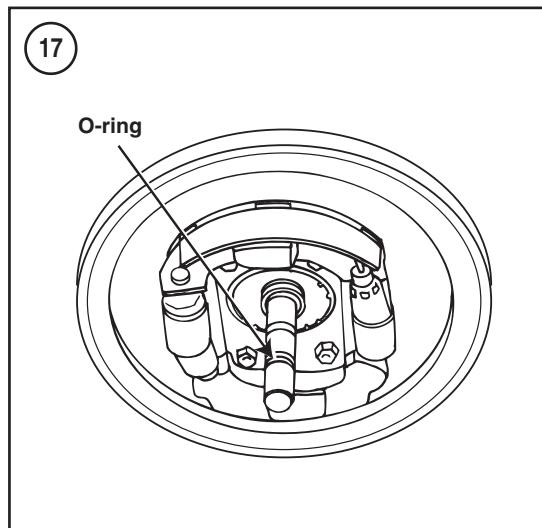
**Removal/Installation**

1. Remove the front wheel as described in this chapter.

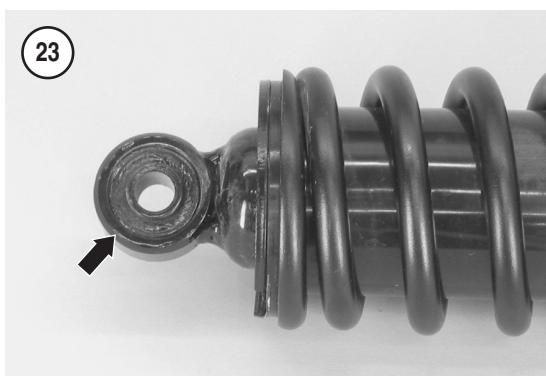
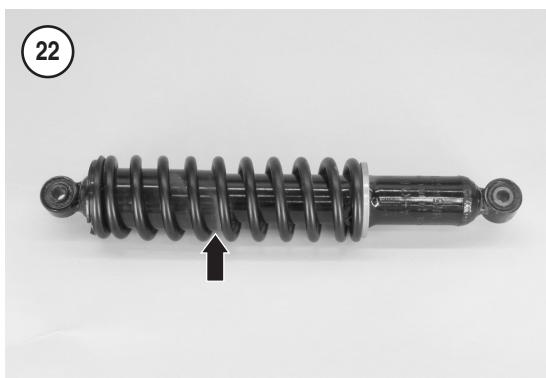
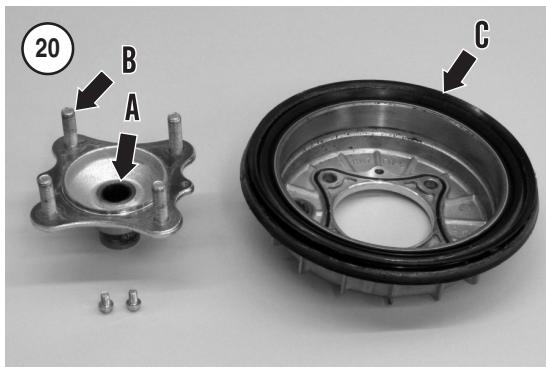
***WARNING***

*Do not inhale brake dust. It may contain asbestos, which can cause lung injury and cancer.*

- 2A. To remove the brake drum only, remove the bolts (A, **Figure 19**) and brake drum.
- 2B. To remove the brake drum and front hub at the same time, perform the following:
  - a. Remove and discard the axle nut cotter pin (B, **Figure 19**).
  - b. Remove the axle nut and front hub assembly (C, **Figure 19**).
3. Inspect the front hub as described in this chapter.
4. Refer to Chapter Thirteen to service the brake drum and brake drum seal (A, **Figure 20**).
5. Install the front hub by reversing the preceding removal steps while noting the following:
  - a. If the brake drum was removed from the front hub, install the O-ring (B, **Figure 20**) into the brake drum groove.
  - b. If the brake drum was removed from the front hub, install the brake drum and tighten the mounting bolts (A, **Figure 19**) to 10 N·m (88 in.-lb.).
  - c. Install and tighten the axle nut (B, **Figure 19**) to 78 N·m (58 ft.-lb.).



***WARNING***  
*Always install a new cotter pin. If necessary, tighten the axle nut to align it with the cotter pin hole in the axle. Do not loosen the axle nut to align it with the hole.*



*not loosen the axle nut to align it with the hole.*

- Install a new cotter pin through the nut groove and axle hole, and then spread the ends to lock it in place (**Figure 18**).

### Inspection

- Inspect the seal (A, **Figure 20**) and replace it if it is damaged.
- Inspect the studs (B, **Figure 20**) and replace them if they are damaged.
- Clean and dry the hub splines.
- Check the hub for cracks or other damage.
- Service the dust seal (C, **Figure 20**) and brake drum as described in *Brake Drum* in Chapter Thirteen.

## SHOCK ABSORBERS

### Removal/Installation

- Support the ATV with the front wheels off the ground.
- Remove the upper and lower shock absorber locknuts and bolts, and remove the shock absorber (**Figure 21**). Discard the locknuts.
- Inspect the shock absorber as described in this chapter.
- Install the shock absorber by reversing the preceding removal steps, while noting the following:
  - Note that the upper bolt is shorter than the lower bolt.
  - Install new shock locknuts.
  - Tighten the upper and lower shock absorber locknuts to 30 N·m (22 ft.-lb.).

**10**

### Inspection

- Clean and dry the shock absorber (**Figure 22**).
- Check the damper unit for leaks or other damage. Inspect the damper rod for bending.
- Inspect the upper and lower rubber bushings (**Figure 23**). Replace severely worn or damaged bushings as described in this section.
- Inspect the spring for damage.
- If the damper unit or spring is damaged, replace the entire shock absorber unit. Other than end

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